

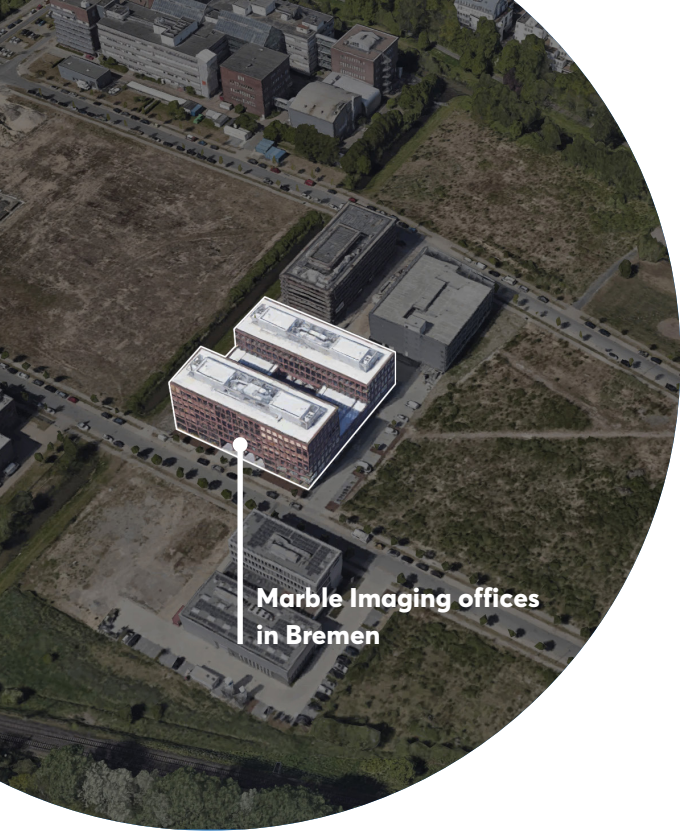


With Marble Imaging, we will
unleash the full potential of global
Earth Observation data by providing
powerful EO based analytics and
insights.



www.marble-imaging.de





Founded in August 2023 in the German aerospace hub Bremen, we are ready to show the world the real potential of affordable and accessible EO data.

We aim to be ...

... the first European provider to capture the entire planet daily in very high 80 cm resolution using our constellation of small satellites.

... a leading provider of Earth Observation (EO) data solutions focusing on commercially applicable environmental and security use cases.

Marble Imaging is a German NewSpace company specialized in EO analytics and services. Already now we offer crucial insights analyzing both public and commercial satellite imagery. With the help of Marble's future constellation, we will be able to deliver even more tailored high quality products and plan to emerge as a new and reliable European source to satisfy the increasing demand of institutional and commercial EO users.

Our Team

The growing Marble Imaging team brings together a wealth of expertise from senior leadership positions within prominent European EO initiatives. Our collective background encompasses the full

Up- and downstream EO experience

spectrum of EO science and data processing. Moreover, we possess a deep understanding of leveraging EO data as ultimate beneficiaries.



Robert Hook
CEO, Aerospace
Engineer



Dr. Gopika Suresh
CSO, Earth
Observation Scientist



Alexander Epp
CMO, Journalist



Dr. Raul Scarlat
Earth Observation
Scientist

• **The Founders** •

The key

Ground resolution vs frequency vs price

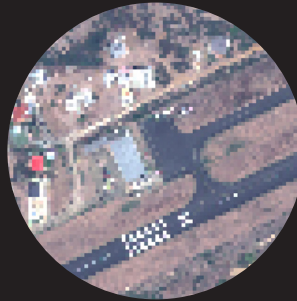
Copernicus Sentinel-2

Resolution: 10 m
Frequency: 6 days
Cost: 0 €



PlanetScope

Resolution: 3 m
Frequency: Daily
Cost: 2-7 € / km²



Marble Imaging

Resolution: 80 cm
Planned frequency: Daily
Cost: 7 € / km²



Airbus Pleiades Neo

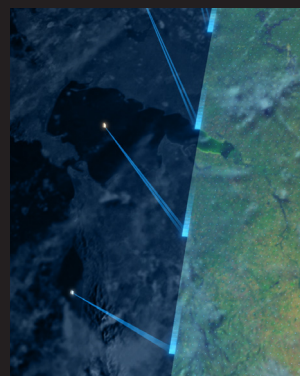
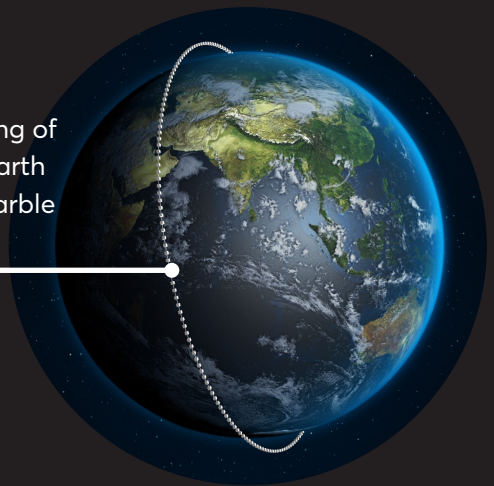
Resolution: 30 cm
Frequency: irregular
Cost: 18+ € / km²



Flexible and fair pricing models targeted to the customer's needs

To maximize the value gained from our business insights, we are developing a high performance constellation of very high-resolution satellites with daily global coverage.

Daily imaging of the entire Earth with 200 Marble satellites



Swath:
10 km

Our very high-resolution small satellites

Launch of first satellite **2026**

Data available as **preprocessed** and **analysis ready data**

Distributed via our in development **geospatial portal**

Satellite **mass around 130 kg** in small satellite form factor

Laser terminal for secure and high volume downlink

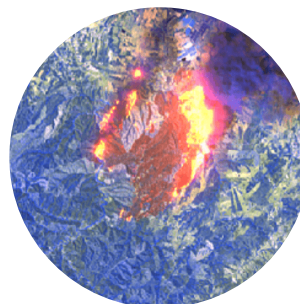
Multispectral data at sub meter resolution **harmonized to Sentinel-2**

Daily capture capability of 140.000 km² per satellite

	Band	Central Wavelength [nm]	Use case	Spatial resolution [m]
B1	Blue	493	Land cover classification	0.8
B2	Green	560	Land cover classification	0.8
B3	Red	665	Land cover classification	0.8
B4	Near Infrared	833	Vegetation health and degradation	0.8
B5	Pan-Chromatic	580	Image sharpening	0.8
B6	Cirrus	1375	Cirrus cloud correction	6
B7	SWIR2	1572	Soil moisture/ Vegetation/ Wildfire	6
B8	SWIR3	1661	Construction/ Fire /minerals mapping	6



Multispectral camera
Visible, Near Infrared
ground resolution **80 cm**
Swath 10 km



Multispectral camera
Short Wave Infrared
ground resolution **6 m**
Swath 10 km

2023

Founded in Bremen | Germany
08|2023

Joined ESA BIC Northern Germany
09|2023

Pre-Seed-Round completed
10|2023

Winner of DLR Small Satellite Payload Competition
11|2023

2024

Developing ground-breaking **environmental analytics**



Aquaculture monitoring

We engage in proactive monitoring of the Blue Economy empowering sustainable practices for fishing and aquaculture activities in the distributed coastal regions, monitoring marine ecosystem health, strengthening and economic management of marine resources.

- **Monitoring the emergence and development of harmful Algae Blooms & marine pollution**, ensuring timely response and mitigation actions to maintain healthy marine ecosystems
- **Mapping aquaculture structures** such as fish farms and cages, including inventory of on-shore fishing ponds, for efficient monitoring, reporting, regulation and protection of aquaculture assets
- Supporting aquaculture and fishing operations by providing **early warnings of potential hazards** such as infestation
- **Land cover change analysis and deforestation detection** to support aquaculture certification and regulation



Disaster mapping

Marble Imaging supports wildfire disaster response and mitigation by offering analytics utilizing Short Wave Infrared and Near Infrared bands that are sensitive to fires. Using SWIR and NIR, the burned areas can be mapped rapidly. Very high-resolution images will improve early detection of small hotspots.

Wildfire detection and monitoring

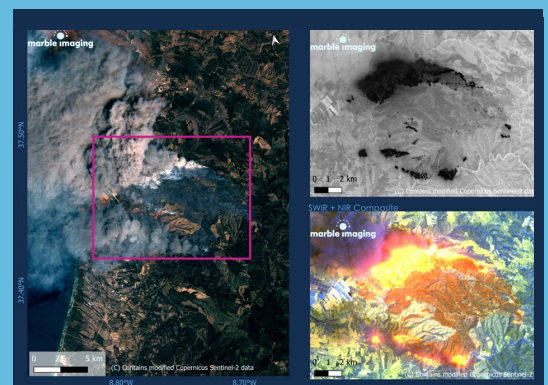
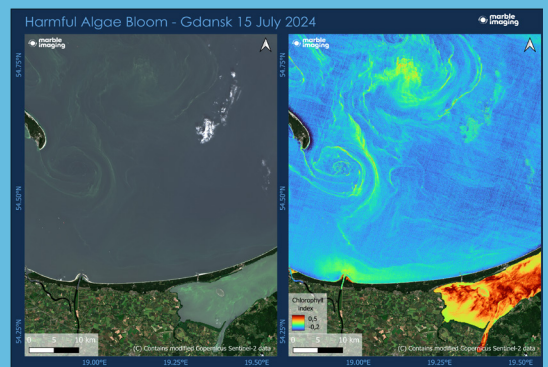
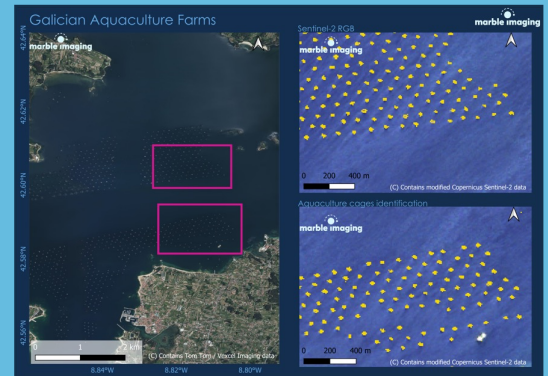
- Hotspot detection
- Burn area mapping
- Haze/smoke detection

Flood detection and monitoring

- Flood damage maps



precious
marble



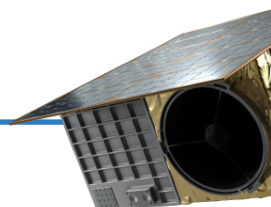
Consortium for first
satellite completed
03|2024

Accepted to the Space-
Founders Accelerator
07|2024

Funding for first
satellite complete

Marble transitions
from GmbH to AG
06|2024

Signature of payload
development contract
with ESA 07|2024



Developing cutting-edge **security analytics**

AI supported Crisis awareness

Our intelligence product aims at increasing situational awareness in crisis zones by fusing together verified information from Open Source Intelligence with information from conflict databases, additional geospatial intelligence and up to date satellite imagery.

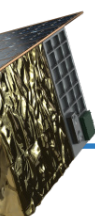
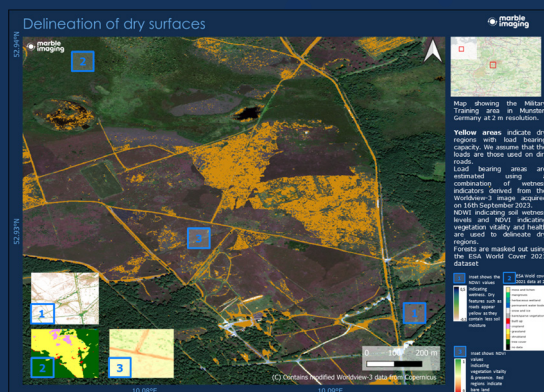
- **Monitoring of active conflict zones and regions** of heightened tensions as well as critical infrastructure
- **Provision of reports and maps** containing high and very high-resolution satellite imagery, geolocated social media footage, land cover classification and change detection analytics as well as contextual information and sources
- **Detection, identification and tracking** of suspicious maritime activity and vessels involved in Deceptive Shipping Practices such as attempting to evade sanctions and regulations
- **Detection and assessment of marine pollution** with oil or bilge dumping in Marine Protected Areas and High Consequence Areas

Terrain Trafficability assessment

With our terrain trafficability analytics, **we assess changing terrain conditions** to support planning of logistical and security operations in challenging landscapes such as off-road, undeveloped, wild and rural environments.

- **Detection and estimation of soil moisture properties and load bearing capacity**, ensuring that ground conditions are suitable for vehicle movement and operations, reducing risks of soil damage and compaction
- **Informed deployment of rescue equipment and emergency vehicles** in the areas affected by natural or anthropogenic disaster events, judging the trafficability of terrain when normal roads or bridges are damaged

 **marble intelligence**



2025

Scaling up product development and services

2026

Targeted launch of first satellite Q1|2026

Building our constellation of up to 200 satellites 2026-2032